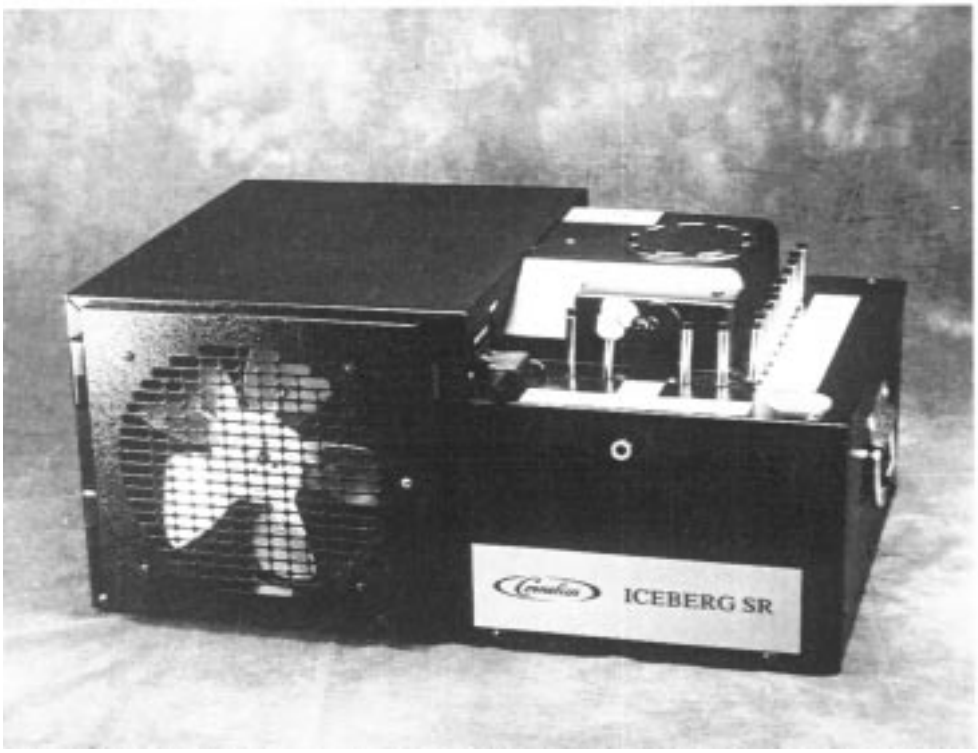
ICEBERG SR



ICEBERG SR

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ICEBERG SR

1. INTRODUCTION

The Iceberg SR is a low to medium capacity soft drinks soda recirculating cooler. The unit comprises an 11cc compressor producing a nominal 15 lb ice bank and a modular design pump/agitator which recirculates carbonated water through the python and cooling coil. Carbonated water is replenished from the separate ambient carbonator through a pre-cool coil. The unit also has 5 syrup cooling coils and a still water coil.

The unit has been designed with simplicity in mind for installation, maintenance and operation. All product connections are situated at one side of the unit to allow high quality installation work right back to the exit connections. Maintenance is kept to a minimum with easy access and replacement of the recirc. pump, ice bank thermostat and condenser fan.

2. SPECIFICATION

DIMENSIONS:

Height	270mm
Width	585mm 616mm (including handles)
Depth	381mm 440mm (including back spacers)
Weight	27.8Kg (61.2 lbs)

ELECTRICAL

Voltage	230 Volts, 50Hz
Current Rating	10 Amps Fused Outlet
Run Current	6 amps max.

REFRIGERATION:

Compressor	Fully Hermetic 11cc (nominal)
Condenser Fan	5 Watt motor, 8" fan blade
Nominal Ice Bank	6.8Kg (15lb)
Typical Pulldown Time (from 20°C No Recirc.)	3 hours

RECIRCULATION/AGITATION:

Motor Protection	15 Watts Internal thermostat External T 1.5 Amp fuse
Pump	Submersible Magnetically driven, glandless centrifugal action
Agitation	Conventional impellor
Pump Performance	0.7 Litre/min. (20oz/min) Typical, in a closed circuit pressurised system.
Max. Python Length	15m.

PRODUCT COILS:

Soda Pre – cool	8mm ($^{5}/_{16}$") O.D. x 7.3m (24')
Soda Recirculation	8mm ($^{5}/_{16}$") O.D. x 3.3m (11')
Still Water Coil	8mm ($^{5}/_{16}$") O.D. x 2.0m (6'6")
5 Syrup Coils	8mm ($^{5}/_{16}$") O.D. x 1.4m (4'6")

Note: All product coils are Grade 316 stainless steel.
Pump connections are $^{3}/_{8}$" O.D.

3. INSTALLATION INSTRUCTIONS

HANDLING AND TRANSPORTATION

Keep in an upright position.

Keep upright and do not move when water bath is filled.

INSTALLATION

General

Installation must only be carried out by a suitably trained person and comply with national and local codes for connection to water and electrical supplies.

Siting

The Iceberg is designed for indoor use only, in ambients between 5°C and 32°C and should not be exposed to water spillage, spray, steam or high humidity in excess of 90%.

Allow 80mm clearance around the unit to aid air circulation. Air vents and louvres should never become obstructed or blocked, also access should be possible to the top lid and refrigeration compartment for ease of service.

Site the unit on a firm level support, protect from physical damage and do not place heavy items on top.

Locate within 2 metres of an earthed, switched, 13 Amp, 230 Volt socket which should be accessible for isolation of the equipment. The socket should be installed to current IEE regulations. It is recommended that the installation is protected by a RCCB.

A supply of cold potable water must be available with an accessible means of isolation. Pressure must be within the range 4 to 6 bar, with a minimum flow of 0.7 litre/min. A boost pump or pressure regulator may be required to ensure this.

Installation

The appliance must be earthed.

With the unit in position and unpacked, remove all of the water and product coil caps.

At this stage do NOT connect the electrical supply.

Filling the water bath

Do not use de-ionized water or add any substance to the water.

Do not leave hose pipes unattended whilst filling the water bath as the unit may become flooded.

Remove the filler cap and fill the bath with cool, clean water until the water flows from the overflow.

Python Installation

Remove all product coil caps.

Ensure all panels are secured in position.

The soda pump must never be allowed to run dry, but the soda recirc tubes may be looped and primed with potable tap water after which the cooler may be switched ON to enable the Iceberg to build ice whilst installation work is completed.

Connect the python to the dispense head(s), then disconnect the Iceberg from its electrical supply.

Remove the soda recirc loop.

Connect all carbonated water, still water and product lines in accordance with the labelling on the cooler.

Using the carbonator as a CO_2 supply, purge air from the water recirc lines before turning the water supply on.

A wireable plug is provided as an option for electrical supply from the cooler to the carbonator and is rated at 230 Volt, 2 Amp.

Once the system is fully connected, proceed to priming the soda recirc lines.

Open a dispense valve until carbonated water is seen.

Draw 8 pints of carbonated water, $^1/_2$ pint at a time, with 5 second intervals.

4. SERVICE INFORMATION (FAULTS/REPAIRS)

There are no user serviceable items inside the equipment and maintenance and repairs must only be carried out by a properly qualified and trained person.

Switch off the mains electrical supply and unplug the equipment if it malfunctions or suffers spillage or physical damage.

In the event of component failure, SWITCH OFF the unit, then:-

Access to the compressor electrics, thermostat and condenser fan as follows:

1. Remove the fan door.

   The fan door is retained by a single screw and hinge brackets which are removable.

2. The pump motor is removed as follows:-

   i) Remove pump cover.

   ii) Remove all electrical connections to the motor.

   iii) Undo the locking screws on the pump plate.

   iv) Twist the assembly clockwise and lift the pump motor clear.

Refer to separate maintenance manual for further information.

5. USER MAINTENANCE

Switch off and unplug the unit during user maintenance operations. Do not attempt to remove any protective covers.

Allow the unit to cool – the condenser may be hot.

Ensure grilles and condenser fins remain unobstructed and free from particles at all times to ensure reliable and consistent operation. A soft brush or vacuum cleaner may be used for cleaning.

Sanitizing the pipelines – flush with water, followed by a chlorinated alkaline sanitizing agent and finally potable water flush when tainting is evident or when advised by the equipment installer or beverage supplier. **It is important that the sanitizing agent manufacturer's procedure and safety precautions are followed.**

At regular intervals, to be determined by the user and/or owner of the cooler, check for electrical safety. This should be carried out by a competent person. For guidance read BSDA booklet titled Electricity at Work Regulations 1989.

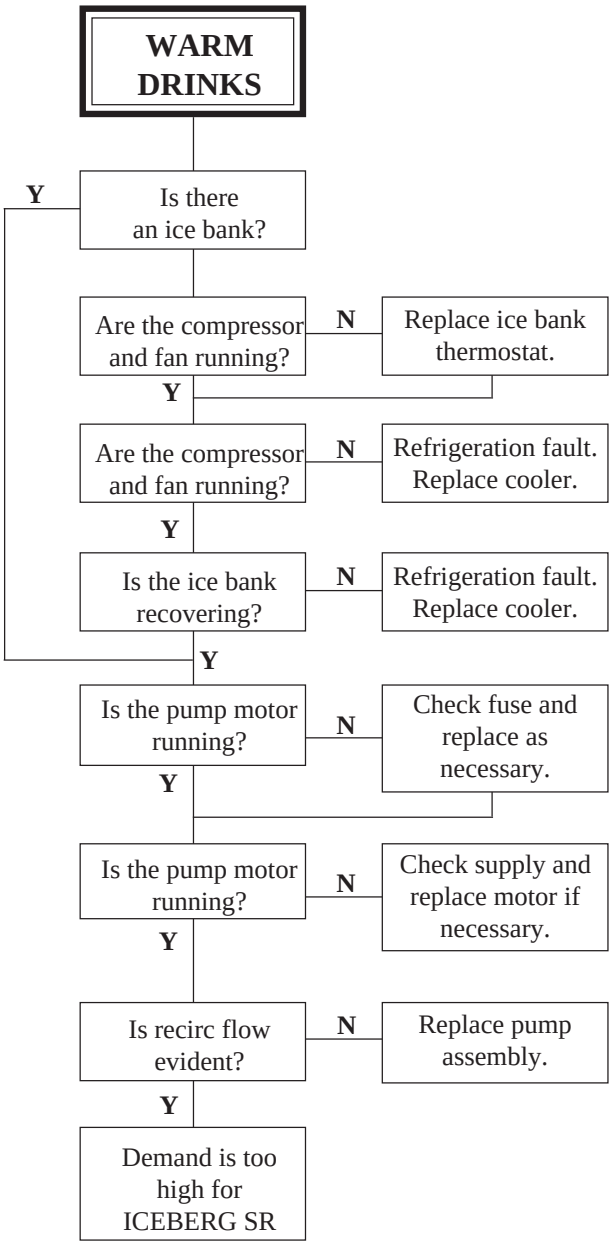
DIRECTIVE COMPLIANCE

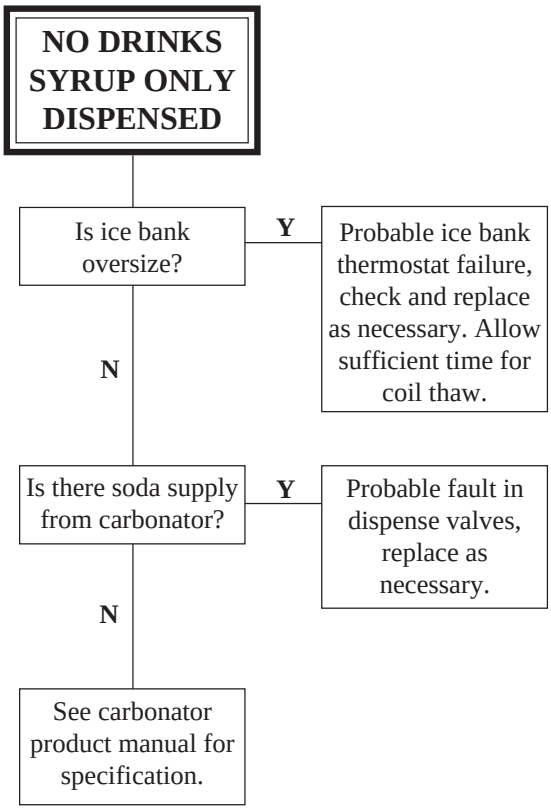
Complies with the following European Directive(s):

89/336/EEC EMC Directive

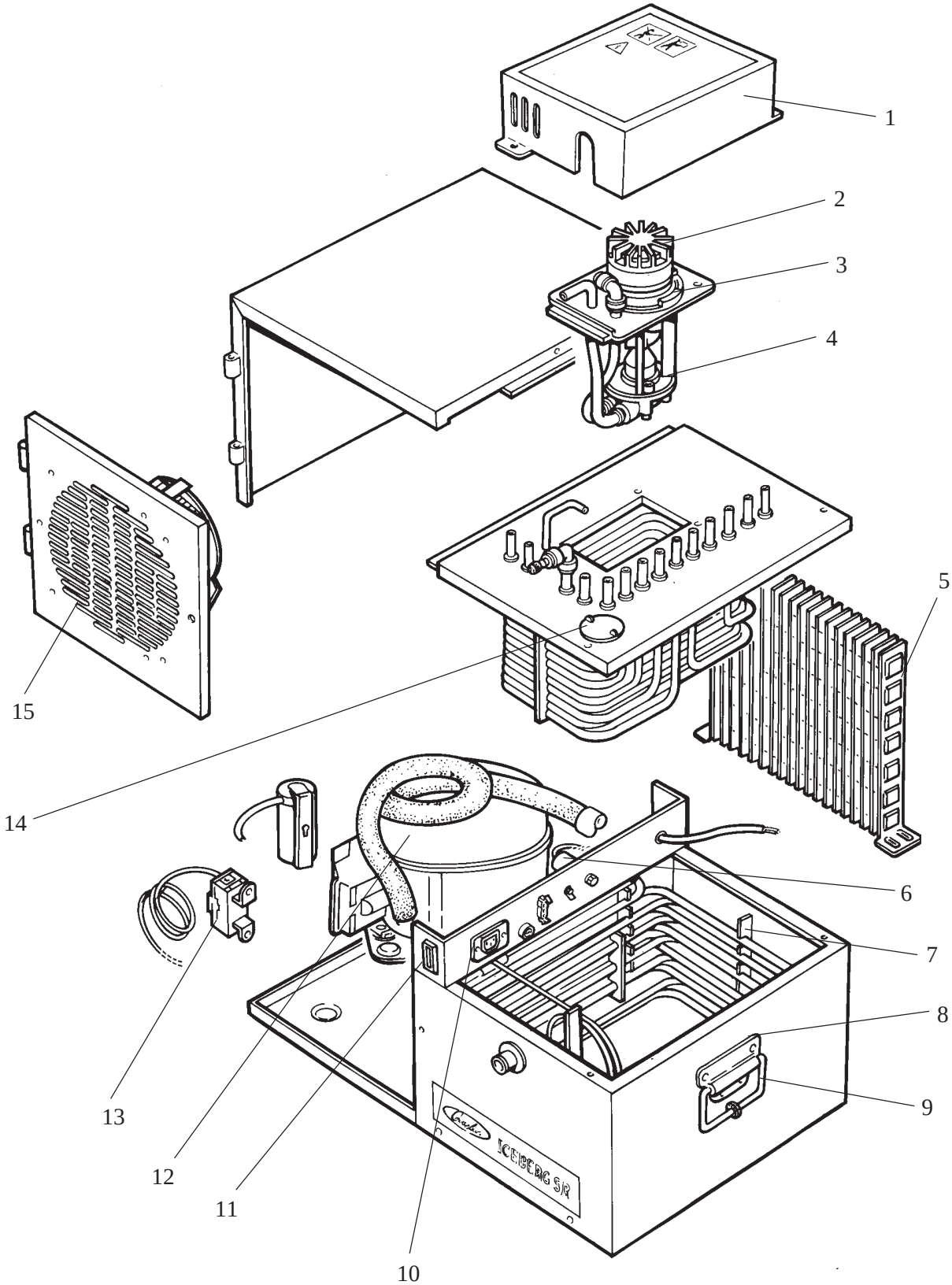
CE

6. FAULT FINDING




NO DRINKS SYRUP ONLY DISPENSED
Is ice bank oversize?
Y
Probable ice bank thermostat failure, check and replace as necessary. Allow sufficient time for coil thaw.
N
Is there soda supply from carbonator?
Y
Probable fault in dispense valves, replace as necessary.
N
See carbonator product manual for specification.

7. EXPLODED VIEW

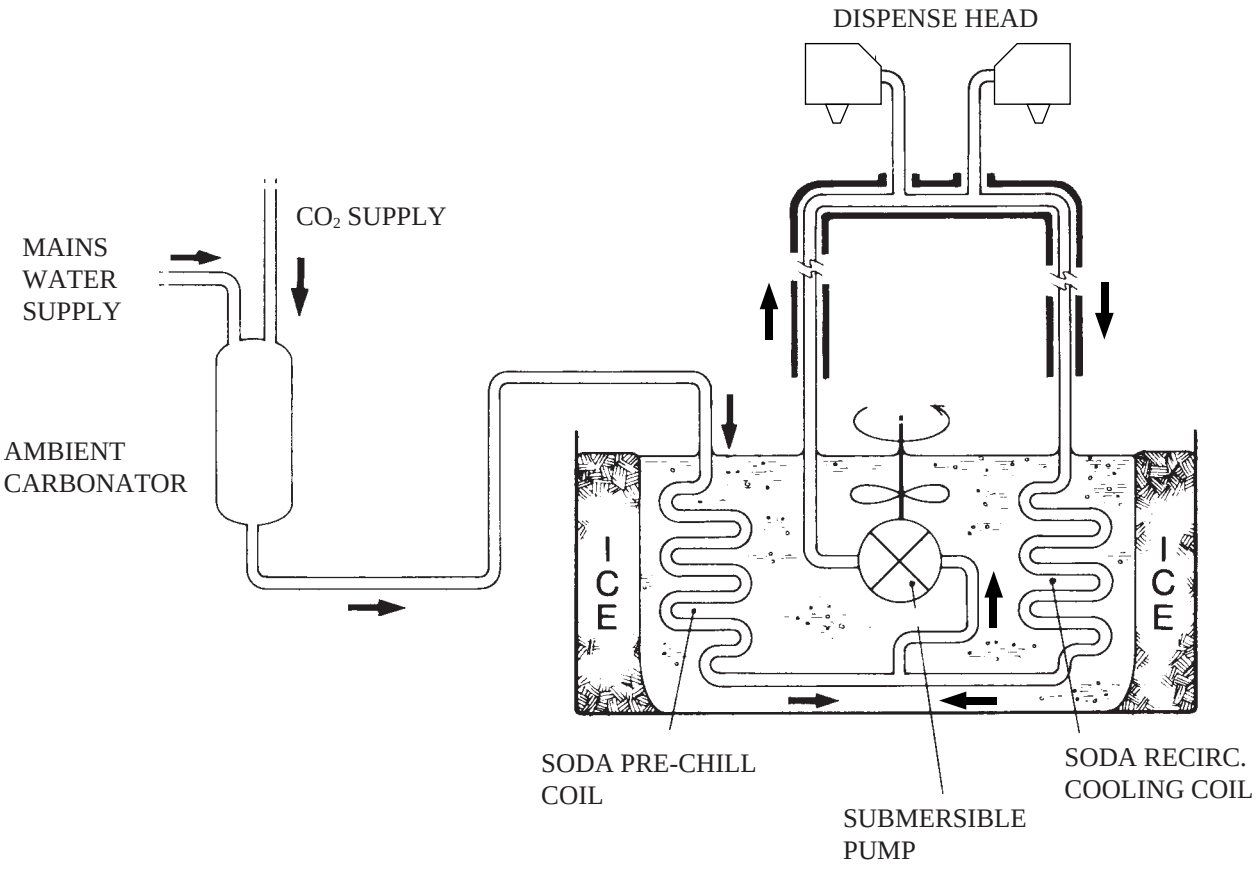


8. PARTS LIST

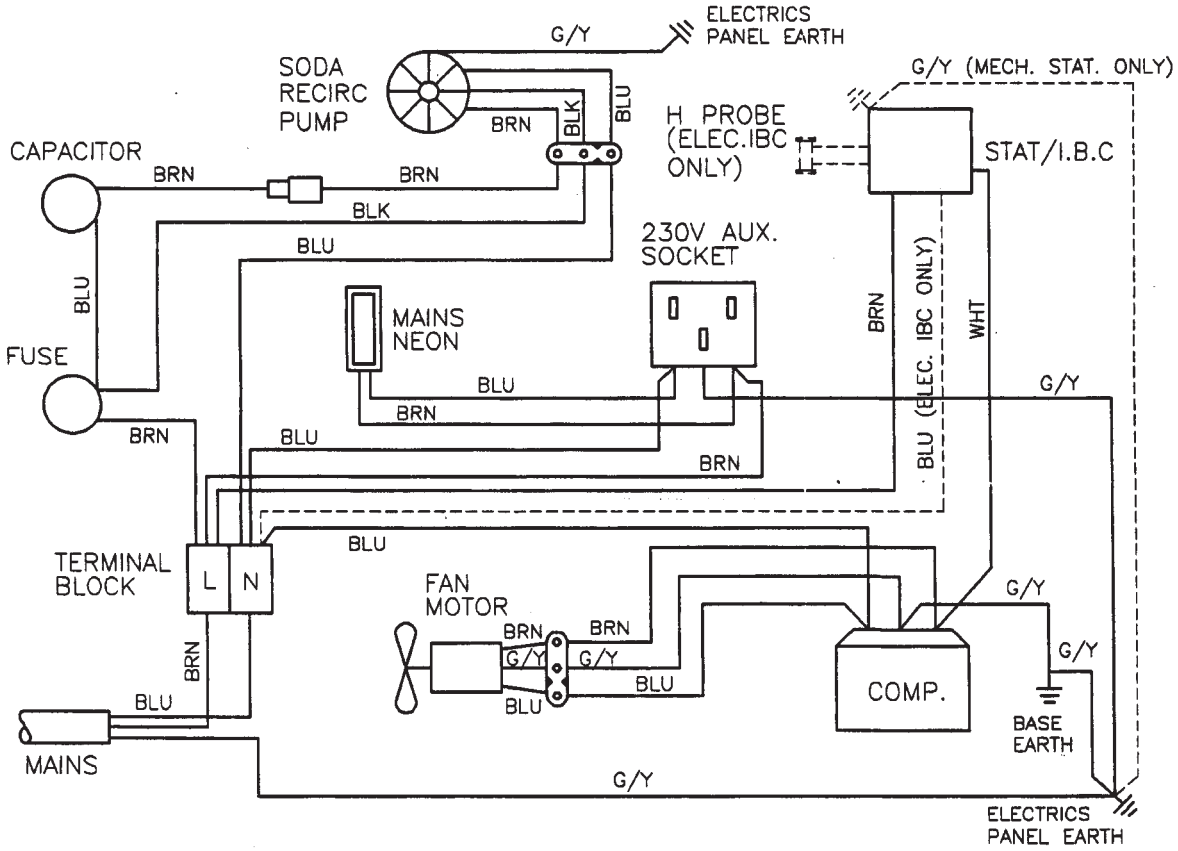
ITEM No.	PART No.	DESCRIPTION	
1.	58 1101 051	Cover Pump	
2.	99 1100 008	Pump Soda (Motor and Drive only)	
3.	99 1100 003	Soda Pump (Complete)	
4.	99 1100 009	Pump Soda (Impellor Assembly only)	
5.	58 1100 100	Condenser STF16124	
6.	99 1104 003	Pump Motor Capacitor	
7.	58 1105 104	Water Tank	
8.	2PR135A	Handle Plate Metal	
9.	2KN321A	0.232" Dia Handle	
10.	58 0446 146	Socket Snap Fit Female	
11.	58 0440 334	Indicator Blk/Grn 240v C0430FQ	
12.	44 0000 232	Compressor Set 11cc HST	
13.	58 1174 007	Stat Ice Bank Fixed @ -2.2 C/0	
14.	58 0475 170	Filler Plug	
15.	99 1100 152	Fan Door Assembly	
*	14 2498 000	IBC Sensorix 220v/240v (Model 007 only)	
*	58 0440 119	Probe Sensor ‘H’ Flat (Model 007 only)	
*	2ZU567A	Electric Lead (Fitted with Europlug)	
*	58 0440 408	Pump Switch	

* Export only

9. OPERATIONAL SCHEMATIC



10. WIRING DIAGRAM



ORDER FORM/ PROFORMA INVOICE

GENUINE SPARES

Please complete fully all parts 1-4

OFFICE USE ONLY

1.

Customer Order Number:		**Cornelius Account No.**	

Name: _____ Company Name: _____

Day Time Phone Number: _____ Fax Number: _____

2.

Invoice Address: _____

_____

_____ Post Code: _____

Delivery Address: _____

_____

_____ Post Code: _____

Special Instructions: _____

OFFICE USE ONLY

3.

Part Number	Part Description	Qty Required	**Price per Unit**	**Cost**

OFFICE USE ONLY

Acknowledgement No.	**Cheque Clearance Date**	**Due Date**	**Request Date**

Total Cost	
Delivery	
VAT @ 17.5%	
Total Order Value	

IMI Cornelius standard terms & conditions of sale apply.

4.

Please indicate payment method: ☐ Account ☐ Cheque ☐ Postal Order ☐ Access/Visa

Cheques or Postal Orders should be made payable to IMI Cornelius (UK) Ltd.

For Access or VISA Visa Payments, please indicate your card number.

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐ Expiry Date: _____

Signature: _____ Name: _____ Date: _____

Address: _____

_____ Post Code: _____

Please return to: IMI CORNELIUS (UK) LTD Rawson Spring Way Riverdale Industrial Estate Sheffield S6 1PG

TEL: 0114 285 5886 ORDER 8.30 am HOTLINE 5.15 pm **FAX: 0114 232 1070**

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England B49 6EU
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